



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/589,973	06/08/2000	Eric J. Hansen	71189-1300	9893

20915 7590 08/14/2002

MCGARRY BAIR LLP
171 MONROE AVENUE
SUITE 600
GRAND RAPIDS, MI 49503

EXAMINER

HAMLIN, DERRICK G

ART UNIT	PAPER NUMBER
----------	--------------

1751

DATE MAILED: 08/14/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/589,973

Applicant(s)

HANSEN ET AL.

Examiner

Derrick G. Hamlin

Art Unit

1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 May 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

1. The rejection of claims 1-28 under 35 U.S.C. 103(a) as being unpatentable over Shindo et al. (5,853,430), and further in view of Ligman (5,555,595) or Sham (5,386,612) is withdrawn in view of the applicants declaration.

Claims 1-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miracle et al. (US 5,576,282), and further in view of Ligman (US 5,555,595) or Sham (US 5,386,612).

2. Miracle claims a color safe bleaching containing a peroxygen source comprises a preformed peracid compound selected from the group consisting of percarboxylic acids and salts, percarbonic acids and salts, perimidic acids and salts, peroxymonosulfuric acids and salts, and mixtures thereof or perborate compounds, percarbonate compounds, perphosphate compounds and mixtures thereof and a bleach activator, wherein said bleach activator is selected from the group consisting of tetraacetylenediamine, sodium decanoyloxybenzene sulfonate, sodium nonanoyloxybenzene sulfonate, sodium octanoyloxybenzene sulfonate, (6-octanamido-caproyl)oxybenzenesulfonate, (6-nonanamido-caproyl)oxybenzenesulfonate, (6-decanamidocaproyl)oxybenzenesulfonate, and mixtures thereof (col. 37, lines 34-57).

The reference teaches the preferred embodiment may contain perfumes and is good for

Art Unit: 1751

use in laundry detergents especially, liquid fine-fabric detergents, machine dishwashing agents and car or carpet shampoos (col. 11, lines 19-46). The use of acrylic/maleic-based copolymers and glycols is also taught (col. 21 lines, 31-52 and col. 24, lines 1-21).

The primary reference is deficient, as it fails to teach a carpet cleaning machine employing the cleaning solution disclosed. The primary reference does indicate that the composition is applicable to many types of cleaning operations, such as shampooing carpets. Therefore, one would be motivated to employ one of the following carpet cleaning machines to clean a carpet with the carpet shampoo of the reference.

Ligman discloses a cleaner unit for carpet and upholstery and the like includes an adjustable power control so that electrical power usage can be set in accordance with available circuit capacity. The cleaner unit includes multiple electrical loads such as a vacuum motor, a pump for delivering a cleaning fluid to a cleaning head or tool, and one or more resistance heaters for heating the cleaning fluid, wherein these loads are adapted for plug-in connection by one or more power cords to a standard domestic power circuit. An ammeter permits the current load to be monitored. In the preferred form, the adjustable power control is associated with one of the resistance heaters and permits the heater current load to be variably set according to the available current capacity of the power circuit. (abstract)

Although the reference fails to teach that the cleaning solution is heated to a specific temperature, it does indicate that the temperature may be adjusted to a desired temperature. Therefore it would have been obvious to one of ordinary skill in the art at

Art Unit: 1751

the time the invention was made to practice the instantly claimed method using the carpet cleaning solution of Miracle with the carpet cleaner of Ligman.

Sham discloses a vacuum cleaning apparatus is provided which includes a housing having a handle portion and a nozzle portion. A reservoir is defined in the housing for retaining cleaning solution or water, and a heating unit is associated with the reservoir for heating the liquid so as to generate steam for delivery to a flat surface such as a window to be cleaned. A squeegee assembly is mounted to the housing adjacent the nozzle portion for wiping the window after liquid has been deposited thereon. A motor driven fan assembly is disposed within the housing in communication with the nozzle portion for drawing excess liquid and debris into the nozzle portion. The nozzle portion defines structure for separating and containing the liquid, which is drawn into the apparatus. (abstract)

Although the reference fails to teach that the cleaning solution is heated to a specific temperature, it does indicate that the solution is steamed and depending on the solvent used the temperature would fall within the claimed ranges. Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to practice the instantly claimed method using the carpet cleaning solution of Miracle with the carpet cleaner of Sham.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derrick G. Hamlin whose telephone number is (703) 305-0590. The examiner can normally be reached on Monday-Thursday and alternating Fridays from 8:30 AM - 5:00 PM.


Art Unit: 1751

If reasonable attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Yogendra Gupta, can be reached on (703) 308-4708. The fax phone number for this Group is (703) 872-9310.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0661.

Derrick G. Hamlin

8/12/02



YOGENDRA N. GUPTA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700